

TIN-0017

AMENDMENTS**IN THE SPECIFICATION**

The following paragraph replaces the 2nd full paragraph on page 2 of the Substitute Specification mailed on September 23, 2002:

The composition of the present disclosure comprises an active compound including alpha-hydroxypropionic acid, a pharmaceutical salt of alpha-hydroxypropionic acid, or a pharmaceutical catalyzer of alpha-hydroxypropionic acid, wherein the active compound may be linked to an appropriate vehicle for application through the nasal cavities of a patient in need thereof. The vehicle may be a serum or any other pharmaceutical capable of carrying the active compound through the nasal cavities. A preferred vehicle comprises 1,2,3-propanetriol (glycerin), 1,2-propanediol, and mixtures of at least one of the foregoing. Acceptable dilutions of the active compound in the vehicle are 0.2 ml to 4 ml of the active compound for each 100 ml of the vehicle (0.2 to 4 vol% of active compound based on the volume of the vehicle), or even 0.2 mL to 1 mL of the active compound for each 100 mL of the vehicle (0.2 to 1.0 vol% of active compound based on the volume of the vehicle). [The ideal dilution is 1 vol% of the active compound based on the volume of the vehicle]. Additionally, where the vehicle is 1,2-propanediol, a particularly preferred dilution of the active compound in the vehicle is 0.2 ml to 10.0 ml of the active compound for each 10 ml of the vehicle.

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The following paragraph replaces the 1st full paragraph on page 3 of the Substitute Specification mailed on September 23, 2002:

The composition effects media changes in the areas to which it is exposed. That is, the composition modifies the medium pH, facilitating growth of *Lactobacillus acidophyllus* and *Bifidobacteria* bacteria. Growth of *Bifidobacteria* has beneficial effects upon the host organism. For example, *Bifidobacteria* are known for displaying inhibiting effects, both in vitro and in vivo, upon many other pathogenic germs, such as *Candida albicans*, *Shighellas*, *Clostridium*, *Bacillus cereus*, *Staphylococcus aureus*, and *Campylobacter jejuni*. Thus, the compositions comprising alpha-hydroxypropionic acid are suitable for the treatment of sinusitis caused by bacterial and fungal organisms, i.e., germs.